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15199.ST25.txt SEQUENCE LISTING

<110> Gopalrathnam, Ganapathy Huang, Lihua Riggin, Ralph M Sheliga, Theodore A.

<120> Activated Protein C Formulations

<130> P15199

<140> 60/363364

2002-03-08 <141>

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<170> PatentIn version 3.1

<210> <211> <212>

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<213> Homo sapiens

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Glu Ala Lys Glu Ile Phe Gln Asn Val Asp Asp Thr Leu Ala Phe Trp 25 30

Ser Lys His Val Asp Gly Asp Gln Cys Leu Val Leu Pro Leu Glu His $\frac{35}{45}$

Pro Cys Ala Ser Leu Cys Cys Gly His Gly Thr Cys Ile Asp Gly Ile 50

Gly Ser Phe Ser Cys Asp Cys Arg Ser Gly Trp Glu Gly Arg Phe Cys 75

Gln Arg Glu Val Ser Phe Leu Asn Cys Ser Leu Asp Asn Gly Gly Cys 90 95

Thr His Tyr Cys Leu Glu Glu Val Gly Trp Arg Arg Cys Ser Cys Ala

Pro Gly Tyr Lys Leu Gly Asp Asp Leu Leu Gln Cys His Pro Ala Val

Lys Phe Pro Cys Gly Arg Pro Trp Lys Arg Met Glu Lys Lys Arg Ser

His Leu Lys Arg Asp Thr Glu Asp Gln Glu Asp Gln Val Asp Pro Arg 150 155 160

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Leu Ile Asp Gly Lys Met Thr Arg Arg Gly Asp Ser Pro Trp Gln Val

Val Leu Leu Asp Ser Lys Lys Leu Ala Cys Gly Ala Val Leu Ile 180 185 190

His Pro Ser Trp Val Leu Thr Ala Ala His Cys Met Asp Glu Ser Lys

Lys Leu Leu Val Arg Leu Gly Glu Tyr Asp Leu Arg Arg Trp Glu Lys 210 220

Trp Glu Leu Asp Leu Asp Ile Lys Glu Val Phe Val His Pro Asn Tyr 235 235

Ser Lys Ser Thr Thr Asp Asn Asp Ile Ala Leu Leu His Leu Ala Gln 255

Pro Ala Thr Leu Ser Gln Thr Ile Val Pro Ile Cys Leu Pro Asp Ser 265

Gly Leu Ala Glu Arg Glu Leu Asn Gln Ala Gly Gln Glu Thr Leu Val 280 285

Thr Gly Trp Gly Tyr His Ser Ser Arg Glu Lys Glu Ala Lys Arg Asn 290

Arg Thr Phe Val Leu Asn Phe Ile Lys Ile Pro Val Val Pro His Asn 320

Glu Cys Ser Glu Val Met Ser Asn Met Val Ser Glu Asn Met Leu Cys 325 330 335

Ala Gly Ile Leu Gly Asp Arg Gln Asp Ala Cys Glu Gly Asp Ser Gly
340
350

Gly Pro Met Val Ala Ser Phe His Gly Thr Trp Phe Leu Val Gly Leu 365

Val Ser Trp Gly Glu Gly Cys Gly Leu Leu His Asn Tyr Gly Val Tyr 370 380

Thr Lys Val Ser Arg Tyr Leu Asp Trp Ile His Gly His Ile Arg Asp 395 400

Lys Glu Ala Pro Gln Lys Ser Trp Ala Pro 405 410 WO 03/075834 PCT/US03/05046

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Lys His Val Asp Gly Asp Gln Cys Leu Val Leu Pro Leu Glu His Pro 35 40 45

Cys Ala Ser Leu Cys Cys Gly His Gly Thr Cys Ile Asp Gly Ile Gly 50 60

Ser Phe Ser Cys Asp Cys Arg Ser Gly Trp Glu Gly Arg Phe Cys Gln 75

Arg Glu Val Ser Phe Leu Asn Cys Ser Leu Asp Asn Gly Gly Cys Thr

His Tyr Cys Leu Glu Glu Val Gly Trp Arg Arg Cys Ser Cys Ala Pro 100 110

Gly Tyr Lys Leu Gly Asp Asp Leu Leu Gln Cys His Pro Ala Val Lys

Phe Pro Cys Gly Arg Pro Trp Lys Arg Met Glu Lys Lys Arg Ser His

Leu Lys Arg Asp Thr Glu Asp Gln Glu Asp Gln Val Asp Pro Arg Leu 150 155 160

Ile Asp Gly Lys Met Thr Arg Arg Gly Asp Ser Pro Trp Gln Val Val 175

Leu Leu Asp Ser Lys Lys Lys Leu Ala Cys Gly Ala Val Leu Ile His 180

Pro Ser Trp Val Leu Thr Ala Ala His Cys Met Asp Glu Ser Lys Lys

Leu Leu Val Arg Leu Gly Glu Tyr Asp Leu Arg Arg Trp Glu Lys Trp 210 220

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Glu Leu Asp Leu Asp Ile Lys Glu Val Phe Val His Pro Asn Tyr Ser 230 235 240

Lys Ser Thr Thr Asp Asn Asp Ile Ala Leu Leu His Leu Ala Gln Pro 245 255 255

Ala Thr Leu Ser Gln Thr Ile Val Pro Ile Cys Leu Pro Asp Ser Gly 260 265 270

Leu Ala Glu Arg Glu Leu Asn Gln Ala Gly Gln Glu Thr Leu Val Thr 275 280 285

Gly Trp Gly Tyr His Ser Ser Arg Glu Lys Glu Ala Lys Arg Asn Arg 290 295 300

Thr Phe Val Leu Asn Phe Ile Lys Ile Pro Val Val Pro His Asn Glu 320

Cys Ser Glu Val Met Ser Asn Met Val Ser Glu Asn Met Leu Cys Ala 330

Gly Ile Leu Gly Asp Arg Gln Asp Ala Cys Glu Gly Asp Ser Gly Gly 345

Pro Met Val Ala Ser Phe His Gly Thr Trp Phe Leu Val Gly Leu Val 365

Ser Trp Gly Glu Gly Cys Gly Leu Leu His Asn Tyr Gly Val Tyr Thr $\frac{370}{380}$

Lys Val Ser Arg Tyr Leu Asp Trp Ile His Gly His Ile Arg Asp Lys 385 400

Glu Ala Pro Gln Lys Ser Trp Ala Pro 405

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Cys Ile Glu Glu Ile Cys Asp Phe Glu Glu Ala Lys Glu Ile Phe Gln 25 30

Asn Val Asp Asp Thr Leu Ala Phe Trp Ser Lys His Val Asp Gly Asp

15199.ST25.txt

35

Gln Cys Leu Val Leu Pro Leu Glu His Pro Cys Ala Ser Leu Cys Cys 50 60 Gly His Gly Thr Cys Ile Asp Gly Ile Gly Ser Phe Ser Cys Asp Cys
70
75 Arg Ser Gly Trp Glu Gly Arg Phe Cys Gln Arg Glu Val Ser Phe Leu 90Asn Cys Ser Leu Asp Asn Gly Gly Cys Thr His Tyr Cys Leu Glu Glu 100 105 110 Val Gly Trp Arg Arg Cys Ser Cys Ala Pro Gly Tyr Lys Leu Gly Asp 115 125 Asp Leu Leu Gln Cys His Pro Ala Val Lys Phe Pro Cys Gly Arg Pro 130 140 Trp Lys Arg Met Glu Lys Lys Arg Ser His Leu Lys Arg Asp Thr Glu 145 155 160 Asp Gln Glu Asp Gln Val Asp Pro Arg Leu Ile Asp Gly Lys Met Thr 165 175 Arg Arg Gly Asp Ser Pro Trp Gln Val Val Leu Leu Asp Ser Lys Lys Lys Leu Ala Cys Gly Ala Val Leu Ile His Pro Ser Trp Val Leu Thr Ala Ala His Cys Met Asp Glu Ser Lys Lys Leu Leu Val Arg Leu Gly 210 Glu Tyr Asp Leu Arg Arg Trp Glu Lys Trp Glu Leu Asp Leu Asp Ile 230 235 230 Lys Glu Val Phe Val His Pro Asn Tyr Ser Lys Ser Thr Thr Asp Asn 255 Asp Ile Ala Leu Leu His Leu Ala Gln Pro Ala Thr Leu Ser Gln Thr 260 265 270 Ile Val Pro Ile Cys Leu Pro Asp Ser Gly Leu Ala Glu Arg Glu Leu 275 280 285

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290 295 15199.ST25.txt 300

Ser Arg Glu Lys Glu Ala Lys Arg Asn Arg Thr Phe Val Leu Asn Phe 320

Ile Lys Ile Pro Val Val Pro His Asn Glu Cys Ser Glu Val Met Ser 335

Asn Met Val Ser Glu Asn Met Leu Cys Ala Gly Ile Leu Gly Asp Arg 345

Gln Asp Ala Cys Glu Gly Asp Ser Gly Gly Pro Met Val Ala Ser Phe

His Gly Thr Trp Phe Leu Val Gly Leu Val Ser Trp Gly Glu Gly Cys 370

Gly Leu Leu His Asn Tyr Gly Val Tyr Thr Lys Val Ser Arg Tyr Leu 385 390 390 395

Asp Trp Ile His Gly His Ile Arg Asp Lys Glu Ala Pro Gln Lys Ser 405 410 415

Trp Ala Pro